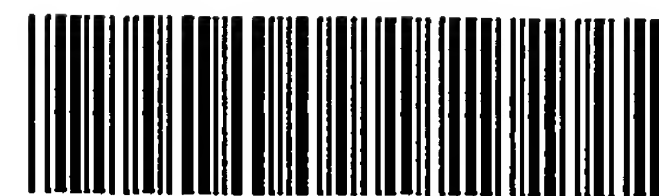


## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 19627, 711A  
Source: IFW16  
Date Processed by STIC: 4-27-05

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 04/27/2005

PATENT APPLICATION: US/10/627,711A

TIME: 13:02:27

Input Set : A:\51236US-04-19-2005.ST25.txt

Output Set: N:\CRF4\04272005\J627711A.raw

```

3 <110> APPLICANT: YANG, Shuwei
5 <120> TITLE OF INVENTION: METHODS AND NUCLEIC ACID VECTORS FOR RAPID EXPRESSION AND
6   SCREENING OF CDNA CLONES
8 <130> FILE REFERENCE: 51236US
10 <140> CURRENT APPLICATION NUMBER: US 10/627,711A
11 <141> CURRENT FILING DATE: 2003-07-28
13 <150> PRIOR APPLICATION NUMBER: 60/398,589
14 <151> PRIOR FILING DATE: 2002-07-26
16 <160> NUMBER OF SEQ ID NOS: 29
18 <170> SOFTWARE: PatentIn version 3.3
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 19
22 <212> TYPE: DNA
23 <213> ORGANISM: Artificial
25 <220> FEATURE:
26 <223> OTHER INFORMATION: Primer
28 <400> SEQUENCE: 1
29 ggaaggagtt cgaaccatg 19
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 19
34 <212> TYPE: DNA
35 <213> ORGANISM: Artificial
37 <220> FEATURE:
38 <223> OTHER INFORMATION: primer
40 <400> SEQUENCE: 2
41 tgcggccgca ctcgagcta 19
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 19
46 <212> TYPE: DNA
47 <213> ORGANISM: Artificial
49 <220> FEATURE:
50 <223> OTHER INFORMATION: primer
53 <220> FEATURE:
54 <221> NAME/KEY: misc_feature
55 <222> LOCATION: (11)..(13)
56 <223> OTHER INFORMATION: n is a, c, g, or t
58 <400> SEQUENCE: 3
W--> 59 gaaggaattc nnnaccatg 19
62 <210> SEQ ID NO: 4
63 <211> LENGTH: 26
64 <212> TYPE: DNA
65 <213> ORGANISM: Artificial
67 <220> FEATURE:

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## RAW SEQUENCE LISTING

DATE: 04/27/2005

PATENT APPLICATION: US/10/627,711A

TIME: 13:02:27

Input Set : A:\51236US-04-19-2005.ST25.txt

Output Set: N:\CRF4\04272005\J627711A.raw

```

68 <223> OTHER INFORMATION: primer
71 <220> FEATURE:
72 <221> NAME/KEY: misc_feature
73 <222> LOCATION: (26)..(26)
74 <223> OTHER INFORMATION: n is a, c, g, or t
76 <400> SEQUENCE: 4
W--> 77 agcctgcttt ttataactaa cttgan 26
80 <210> SEQ ID NO: 5
81 <211> LENGTH: 30
82 <212> TYPE: DNA
83 <213> ORGANISM: Artificial
85 <220> FEATURE:
86 <223> OTHER INFORMATION: primer
88 <400> SEQUENCE: 5
89 ggggacaagt ttgtacaaaa aagcaggctt 30
92 <210> SEQ ID NO: 6
93 <211> LENGTH: 29
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial
97 <220> FEATURE:
98 <223> OTHER INFORMATION: primer
100 <400> SEQUENCE: 6
101 ggggaccact ttgtacaaga aagctgggt 29
104 <210> SEQ ID NO: 7
105 <211> LENGTH: 30
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial
109 <220> FEATURE:
110 <223> OTHER INFORMATION: primer
112 <400> SEQUENCE: 7
113 ggggacaagt ttgtacaaaa aagcaggctt 30
116 <210> SEQ ID NO: 8
117 <211> LENGTH: 248
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial
121 <220> FEATURE:
122 <223> OTHER INFORMATION: primer
124 <400> SEQUENCE: 8
125 aatgctctgt tacagggtcac taataccatc taagtagttg attcatagtg actgcatatg 60
127 ttgtgtttta cagtattatg tagtctgttt tttatgcaa atctaattta atatattgat 120
129 atttatatca ttttacgttt ctctgttcagc ttttttatac taagttggca ttataaaaaa 180
131 gcattgctta tcaatttggt gcaacgaaca ggctcactatc agtcaaaaata aaatcattat 240
133 ttgatttc 248
136 <210> SEQ ID NO: 9
137 <211> LENGTH: 105
138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial
141 <220> FEATURE:
142 <223> OTHER INFORMATION: primer

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## RAW SEQUENCE LISTING

DATE: 04/27/2005

PATENT APPLICATION: US/10/627,711A

TIME: 13:02:27

Input Set : A:\51236US-04-19-2005.ST25.txt

Output Set: N:\CRF4\04272005\J627711A.raw

```

144 <400> SEQUENCE: 9
145 agcctgcttt tttatactaa gttggcatta taaaaaagca ttgcttatca atttggtgca      60
147 acgaacaggt cactatcagt caaaataaaa tcattatttg atttc      105
150 <210> SEQ ID NO: 10
151 <211> LENGTH: 168
152 <212> TYPE: DNA
153 <213> ORGANISM: Artificial
155 <220> FEATURE:
156 <223> OTHER INFORMATION: primer
158 <400> SEQUENCE: 10
159 aatgctctgt tacagggtcac taataccatc taagtagttg attcatagtg actgcatatg      60
161 ttgtgtttta cagtattatg tagtctgttt tttatgcaaa atctaattta atatattgat      120
163 atttatatca ttttacgttt ctcgttcagc ttttttatac taacttga      168
166 <210> SEQ ID NO: 11
167 <211> LENGTH: 45
168 <212> TYPE: DNA
169 <213> ORGANISM: Artificial
171 <220> FEATURE:
172 <223> OTHER INFORMATION: primer
175 <220> FEATURE:
176 <221> NAME/KEY: misc_feature
177 <222> LOCATION: (26)..(26)
178 <223> OTHER INFORMATION: n is a, c, g, or t
180 <400> SEQUENCE: 11
W--> 181 agcctgcttt tttatactaa cttgangaag gaattcggta ccatg      45
184 <210> SEQ ID NO: 12
185 <211> LENGTH: 30
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial
189 <220> FEATURE:
190 <223> OTHER INFORMATION: primer
192 <400> SEQUENCE: 12
193 gccgaattcc ccctatttgt ttatttttct      30
196 <210> SEQ ID NO: 13
197 <211> LENGTH: 29
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial
201 <220> FEATURE:
202 <223> OTHER INFORMATION: primer
204 <400> SEQUENCE: 13
205 ccgcatatgc tcttcctttt tcaatatta      29
208 <210> SEQ ID NO: 14
209 <211> LENGTH: 32
210 <212> TYPE: DNA
211 <213> ORGANISM: Artificial
213 <220> FEATURE:
214 <223> OTHER INFORMATION: primer
216 <400> SEQUENCE: 14
217 ggttgcatat ggaattacac tttaatttag aa      32

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## RAW SEQUENCE LISTING

DATE: 04/27/2005

PATENT APPLICATION: US/10/627,711A

TIME: 13:02:27

Input Set : A:\51236US-04-19-2005.ST25.txt

Output Set: N:\CRF4\04272005\J627711A.raw

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220 <210> SEQ ID NO: 15
221 <211> LENGTH: 34
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial
225 <220> FEATURE:
226 <223> OTHER INFORMATION: primer
228 <400> SEQUENCE: 15
229 aacgagggccc ttcataattt ccgatacttt cctc 34
232 <210> SEQ ID NO: 16
233 <211> LENGTH: 31
234 <212> TYPE: DNA
235 <213> ORGANISM: Artificial
237 <220> FEATURE:
238 <223> OTHER INFORMATION: primer
240 <400> SEQUENCE: 16
241 ggaaggccct aatgctctgt tacaggtcac t 31
244 <210> SEQ ID NO: 17
245 <211> LENGTH: 30
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial
249 <220> FEATURE:
250 <223> OTHER INFORMATION: primer
252 <400> SEQUENCE: 17
253 ggcgacgtcg aaatcaaata atgattttat 30
256 <210> SEQ ID NO: 18
257 <211> LENGTH: 36
258 <212> TYPE: DNA
259 <213> ORGANISM: Artificial
261 <220> FEATURE:
262 <223> OTHER INFORMATION: primer
264 <400> SEQUENCE: 18
265 aaaccgggga ccatgttgca gatccatgca cgtaaa 36
268 <210> SEQ ID NO: 19
269 <211> LENGTH: 52
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial
273 <220> FEATURE:
274 <223> OTHER INFORMATION: primer
276 <400> SEQUENCE: 19
277 ggggtcaagt tagtataaaa aagcaggctc tatttttgac accagaccaa ct 52
280 <210> SEQ ID NO: 20
281 <211> LENGTH: 43
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial
285 <220> FEATURE:
286 <223> OTHER INFORMATION: primer
288 <400> SEQUENCE: 20
289 aagcccggga attcgggtacc atggaagacg ccaaaaacat aaa 43
292 <210> SEQ ID NO: 21

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## RAW SEQUENCE LISTING

DATE: 04/27/2005

PATENT APPLICATION: US/10/627,711A

TIME: 13:02:27

Input Set : A:\51236US-04-19-2005.ST25.txt

Output Set: N:\CRF4\04272005\J627711A.raw

```

293 <211> LENGTH: 52
294 <212> TYPE: DNA
295 <213> ORGANISM: Artificial
297 <220> FEATURE:
298 <223> OTHER INFORMATION: primer
300 <400> SEQUENCE: 21
301 ggggtcaagt tagtataaaa aagcaggctc tacacggcga tctttccgcc ct      52
304 <210> SEQ ID NO: 22
305 <211> LENGTH: 25
306 <212> TYPE: DNA
307 <213> ORGANISM: Artificial
309 <220> FEATURE:
310 <223> OTHER INFORMATION: primer
312 <400> SEQUENCE: 22
313 agcctgcttt tttatactaa cttga      25
316 <210> SEQ ID NO: 23
317 <211> LENGTH: 27
318 <212> TYPE: DNA
319 <213> ORGANISM: Artificial
321 <220> FEATURE:
322 <223> OTHER INFORMATION: primer
325 <220> FEATURE:
326 <221> NAME/KEY: misc_feature
327 <222> LOCATION: (27)..(27)
328 <223> OTHER INFORMATION: n is a, c, g, or t
330 <400> SEQUENCE: 23
W--> 331 tcaagttagt ataaaaaagc aggctvn      27
334 <210> SEQ ID NO: 24
335 <211> LENGTH: 46
336 <212> TYPE: DNA
337 <213> ORGANISM: Artificial
339 <220> FEATURE:
340 <223> OTHER INFORMATION: primer
343 <220> FEATURE:
344 <221> NAME/KEY: misc_feature
345 <222> LOCATION: (27)..(27)
346 <223> OTHER INFORMATION: n is a, c, g, or t
348 <400> SEQUENCE: 24
W--> 349 tcaagttagt ataaaaaagc aggctvngaa ggaattcggt accatg      46
352 <210> SEQ ID NO: 25
353 <211> LENGTH: 86
354 <212> TYPE: DNA
355 <213> ORGANISM: Artificial
357 <220> FEATURE:
358 <223> OTHER INFORMATION: primer
360 <400> SEQUENCE: 25
361 agatctcgat cccgcgaaat taatacgact cactataggg gaattgtgag cggataacaa      60
363 ttcccctcta gaaggagttc gaaccc      86
366 <210> SEQ ID NO: 26

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/627,711A

DATE: 04/27/2005  
TIME: 13:02:28

Input Set : A:\51236US-04-19-2005.ST25.txt  
Output Set: N:\CRF4\04272005\J627711A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 11,12,13

Seq#:4; N Pos. 26

Seq#:11; N Pos. 26

Seq#:23; N Pos. 27

Seq#:24; N Pos. 27

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27

Seq#:28,29

## VERIFICATION SUMMARY

DATE: 04/27/2005

PATENT APPLICATION: US/10/627,711A

TIME: 13:02:28

Input Set : A:\51236US-04-19-2005.ST25.txt

Output Set: N:\CRF4\04272005\J627711A.raw

L:59 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:77 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0  
L:331 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0  
L:349 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0